

EPA Region 5 Records Ctr.



325080

JAWORSKI, MARK

From: Hill, Michael
Sent: Friday, September 05, 2008 10:25 AM
To: JAWORSKI, MARK
Subject: Lane Street Map Coordinates 9-5-08
Attachments: Lane Street latitude longitude x map documentation.doc

Mark:

Attached is information concerning the method of how the latitude and longitude coordinates were collected for the Lane Street Ground Water Contamination project using our Geographic Information System.

Sincerely,

Mike

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Reference: 25

001

9/5/2008

LANE STREET MAP CORDINATES

Latitude: 41°43'00.65"N
Longitude: 85°55'15.62"W

Universal Transverse Mercator (UTM) coordinate system
North American Datum (NAD 1983)
Indiana, Zone 16 N
Easting: 589755.350m
Northing: 4618901.515m

Layer: INDOT.STATE_GISRDS_INDOT_IN

Data Source:

- Data Type: SDE Feature Class
- Server: idemgisp01pl
- User: COE
- Instance: 5151
- Version: SDE.DEFAULT
- Description: Instance default version.
- Feature Class: INDOT.STATE_GISRDS_INDOT_IN
- Feature Type: Simple
- Geometry Type: Line

Coordinate System Information:

- Projected Coordinate System: NAD_1983_UTM_Zone_16N
- Projection: Transverse_Mercator
- False_Easting: 500000.00000000
- False_Northing: 0.00000000
- Central_Meridian: -87.00000000
- Scale_Factor: 0.99960000
- Latitude_Of_Origin: 0.00000000
- Linear Unit: Meter
- Geographic Coordinate System: GCS_North_American_1983
- Datum: D_North_American_1983
- Prime Meridian: Greenwich
- Angular Unit: Degree

Using GIS software, ESRI ArcMap 9.2 (Build 1420) with License Type: ArcInfo, coordinates for the intersection of County Road 106 and Lane Street were selected. The GIS layer for the road centerlines was the Indiana Department of Transportation's STATE GISRDS stored on the State of Indiana Geographic Information Officer's (GIO) data library.

The Identify command was used in ArcMap software to identify and capture the Latitude and Longitude (in degrees, minutes, seconds) coordinates of the previously mentioned intersection.